

**Table 1. Examples of diffusible signals utilized by bacteria.**

| <u>Signal</u>                                   | <u>Mediates</u>   |
|---|---|
| Butyrylactones                                  | antibiotic synthesis in <i>Streptomyces</i> spp.  |
| Amino acids                                     | swarming in <i>Protease</i> spp.  |
| Peptides  | -competence in <i>Bacillus</i> spp.<br>-fruiting body formation in <i>Myxococcus</i> spp.<br>-conjugal plasmid transfer in <i>Enterococcus</i> spp. |
| Dialkylresorcinols, cyclohexanones              | -cell clumping in <i>Photorhabdus</i> spp.  |
| <i>N</i> -acyl-homoserine lactones (HSLs, AHLs) | -pathogenicity gene expression, secondary metabolite biosynthesis, etc. in Pseudomonads   |

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